

**This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.**

**MIAMI-DADE COUNTY, FLORIDA  
NOTICE TO PROFESSIONAL CONSULTANTS  
MIAMI DADE WATER AND SEWER DEPARTMENT  
DESIGN SERVICES FOR WASTEWATER TREATMENT PLANTS  
RELATED TO CONSENT DECREE PROJECTS  
ISD PROJECT NO. E13-WASD-05**

The County Mayor, Miami-Dade County (County), pursuant to Chapter 287.055, Florida Statutes, Sections 2-8.1 and 2-10.4 of the Miami-Dade County Code, Implementing Order 3-34, and Administrative Order 3-39, announces that the Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from one (1) qualified consultant to provide design services for wastewater treatment plants related to consent decree projects.

The Consultant shall perform preliminary design, design development, construction documents, permitting and bid services, and design services during construction upgrades at all three of the County's wastewater treatment plants (South District, Central District and North District) for project specified in conjunction with the CD and the attached as an appendix to this solicitation.

The Consultant selected will be required to work in coordination with WASD staff to deliver an integrated construction approach and schedule that does not adversely impact wastewater treatment plants (WWTP) operations, treatment capacity, or effluent quality. The Consultant shall ensure that the design of the capital improvements are technically, economically, and functionally consistent and are implemented in a manner that meets the specific deadlines and milestones of the CD and the requirements of the Clean Water Act, WASD's National Polluted Discharge Elimination System Permits, FDEP regulations, and any additional applicable regulatory requirements. Design services to be provided by the Consultant will include, but are not limited, to the following:

- Develop the Basis of Design Reports (BODR) for the capital program at the WWTP's, while taking into account all project alternatives using life cycle cost analysis and identifying and recommending mitigation options to deal with future sea level rise and storm surge.
- Perform wastewater treatment process modeling and computational fluid dynamic modeling in support of design efforts.
- Conduct and/or coordinate underground utility and sub-surface investigations in support of the BODR.
- Perform pilot testing as necessary to confirm specific design parameters.
- Based on the Department's approved BODR and delivery method (i.e. Design-Bid-Build, Design-Build) the Consultant will prepare the required bid documents.
- Assist WASD in evaluating procurement methods for equipment.
- Attain all applicable permits as necessary depending on the delivery method selected.

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- Assist WASD in the bid process, including responding to RFI's, reviewing bids and making recommendation for award.
- Provide design services during construction including but not limited to reviewing and responding to all contractor submittals, review and respond to all contractor claims, review and respond to RFI's and review of final certification documents provided by the contractor(s).

WASD intends to retain one (1) qualified Consultant under a Non-Exclusive Professional Service Agreement (PSA) for a term of five (5) years with two (2) five (5) year options-to-renew at the County's sole discretion will be awarded under this solicitation. The total amount of compensation will be negotiated with the selected Consultant. No minimum amount of work or compensation will be assured to the retained consultant. The County reserves the right to re-use the work products of the retained consultant and to retain other consultants to provide the same or similar services at its sole discretion. The consultant coordinator for this project is \_\_\_\_\_ who may be contacted via email at \_\_\_\_\_ or fax at \_\_\_\_\_ with a copy to the Clerk of the Board.

The firms providing these services must be certified in the following technical categories and the respective percentages of the disciplines as indicated below:

**A/E TECHNICAL CERTIFICATION REQUIREMENTS**

**Prime**

- 6.02 Major Water and Sanitary Sewage Pumping Facilities
- 6.03 Water and Sanitary Sewage Treatment Plants

**Prime and/or Subconsultants**

- 9.01 Drilling, Subsurface Investigations and Seismographic Services
- 9.02 Geotechnical and Materials Engineering Services
- 9.04 Non-Destructive Testing and Inspections
- 10.05 Contamination Assessment and Monitoring
- 11.00 General Structural Engineering
- 12.00 General Mechanical Engineering
- 13.00 General Electrical Engineering
- 15.01 Land Surveying
- 16.00 General Civil Engineering

**BREAKDOWN LIST**

Technical Category	Description	Percent	CBE %
6.02 PRIME	Major Water and Sanitary Sewage Pumping Facilities	20	2
6.03 PRIME	Water and Sanitary Sewage Treatment Plants	25	8
9.01	Drilling, Subsurface Investigations and Seismographic Services	1	1

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9.02	Geotechnical and Materials Engineering Services	1	1
9.04	Non-Destructive Testing and Inspections	1	1
10.05	Contamination Assessment and Monitoring	1	1
11.00	General Structural Engineering	15	3
12.00	General Mechanical Engineering	15	3
13.00	General Electrical Engineering	15	3
15.01	Land Surveying	1	1
16.00	General Civil Engineering	5	1
	<b>TOTAL</b>	100	25